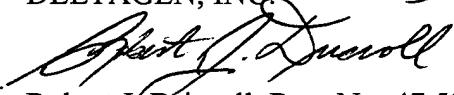


The foregoing amendments do not introduce new matter and are supported by the application as originally filed. Specifically, support for these amendments can be found in the specification at page 7, lines 9-14. Entry of the foregoing amendment is respectfully requested. Favorable action on the merits is earnestly solicited.

Respectfully submitted,  
DELTAGEN, INC.

  
Robert J. Driscoll, Reg. No. 47,536

740 Bay Road  
Redwood City, CA 94063  
Tel. (650) 569-5168  
Fax. (650) 569-5280

*I certify that this amendment and enclosures are being deposited with the U. S. Postal Service with sufficient postage as first class mail in an envelope addressed to The Commissioner for Patents, Washington, D.C. 20231, on October 30, 2001.*

also transmitted by facsimile.

  
\_\_\_\_\_  
Gayle D. Peterson

SEQ. ID. NO.:1

GAGACTGCAGCAGAATATGTAAAATCTGACTCCCAGAGGCTTTAAC  
AGCACCTCAGGATTATGAGAAGGACAAAGAAAACAGTGTCTGACCTA  
CCAGACCACCTCGAGCAGCAGATCTTGTCAATTGACCGGGAAATGCTG  
GAAAAGTTGACAGTCTCCTATGATGAAGCAGGCACAAACGTGTTGATCS  
CTCTACTCTCAGATAAAGACCTCACCGTGGCCAACGTTGGTACTCTCG  
GGGAGTCTTGTGACAAAGATGGCAATGCCATCCCCCTGTCACGAT  
CACAAAGCCTTACCAAGCTGAAGGAAAGGAAGAGGATAAAAGAGAGCTGGTG  
GGTTCATCAGCTTAATGGCTCCTGGAGGGTCCAGGGAAATCCTAGCCAT  
GTCTCGATCCCTGGGAGACTATCCACTGAAAATCTCAACGTGGTCATC  
CCAGACCCAGACATCTTGACCTTGACCTGGACAAGCTGCAGCCGGAGT  
TCATGATCTTGGCCTCAGATGGCCTGTGGAGTGCTTCAGCAATGAAG  
AAGCGGTTGATTCAAGGAGCGCTTGGATGAGCCCCACTTGGGC  
CAAAAGCATCGCCTGCAGTCCTTACAGAGGCTGCCCTGACAACATC  
ACTGTCATGGTGGTGAAGTTAGGAATAGTAGCAAAACAGAAGAGCACT  
GAACCCCTGCCAGATCTCAGCTGCCCAAAGAGGACTCTCAACATAC  
TGTTCTTCATGTAGTAAAGGTGTGGGTATAATTAGGATCATGCGTC  
CCAACACAGAACCCCTTCCCTGATGGCCTGAATCCCTTGGAGTACT  
GAGCAGAGGGTTGGTCCCTGCTGACACCGCAGAGGCTGCTAAGTTG  
TGTCCCCCAGCCCTCTATCAGTGTGAAACACATACGTAGGTAGCC  
ACAGATCCCACATATGAGGCAAAGGAAAGGCAGGCCATATGTTTCCCT  
CTTAATAATGTACTTT

SEQ. ID. NO.:2

ETAAEYVKSRLPEALKQHLQDYEKDKENSVLTYQTILEQQILSIDREML  
EKLTYSYDEAGTCLIXLLSDKDLTVANVGDSRGVLCDKDGNAPIPLSHD  
HKPYQLKERKRIKRAGGFISFNGSWRVQGILAMSRSRSLGDYPLKNLNVI  
PDPDILTDFDLDKLQPEFMILASDGLWDAFSNEEAVRFIKERLDEPHFGA  
KSIVLQSFYRGCPDNITVMVVKFRNSSKTEEH

FIGURE 1

Underlined = deleted in targeting construct

**Bold** = sequence flanking Neo insert in targeting construct

GAGACTGCAGCAGAATATGTAAAATCTGACTCCCAGAGGCTTTAACAGCACCTTCAG  
GATTATGAGAAGGACAAAGAAAACAGTGTTCTGACCTACCAGACCATCCTCGAGCAGCAG  
ATCTTGTCAATTGACCGGGAAATGCTGGAAAAGTTGACAGTCTCCTATGATGAAGCAGGCC  
ACAACGTGTTGATCSCTCTACTCTCAGATAAAGACCTCACCGTGGCCAACGTTGGTGAC  
TCTCGGGGAGTCTTGTGTGACAAAGATGGCAATGCCATCCCTGTCTCACGATCACAAG  
CCTTACCACTGAAGGAAAGGAAGAGGATAAAGAGAGCTGGTGGGTTCATCAGCTTAAT  
**GGCTCCTGGAGGGTCCAGGGAAATCCTAGCCATGTCTCGATCCCTGGGAGACTATCCACTG**  
**AAAAATCTCAACGTGGTCATCCCAGACCCAGACATCTTGACCTTGACCTGGACAAGCTG**  
CAGCCGGAGTTCATGATCTTGGCCTCAGATGGCCTGTGGGATGCTTCAGCAATGAAGA  
AGCGGTTCGATTCAAGGAGCGCTTGGATGAGCCCCACTTGGGCCAAAGCATCGT  
CCTGCAGTCCTTTACAGAGGCTGCCCTGACAACATCACTGTCATGGTGGTGAAGTTCA  
**GAATAGTAGCAAAACAGAAGAGCACTGAACCCCTGCCAGATCTCAGCTGCCCAAAC**  
TAGA  
GGACTCTCAACATACTGTTCTCTCATGTAGTAAAAGGTGTGGGTATAATTAGGATCATG  
CGTCCCAACACAGAACCCCCCTCCCTGATGGCCTTGAATCCCTTGGAGTACTGAGCAGA  
GGGTTGGTTCCCTTGTGACACCGCAGAGGCTGCTAAGTTGTGTCCCCCAGGCCCTCT  
ATCAGTGTGAAACACATACGTAGGTAGCCACAGATCCCACATATGAGGCAAAGGAAAG  
GCAGGCCATATGTTTCTTCTTAATAATGTACTTT

FIGURE 2A